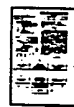


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## JP6226052A: METHOD FOR REMOVING NOX

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Application Number: JP1993000013580

IPC Class: B01D 053/36; B01D 053/36; B01D 053/34; B01J 029/06;

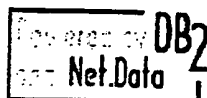
**Abstract:** **Purpose:** To effectively remove NOx by adding org. matter to waste gases contg. the NOx and bringing the waste gases into contact with one kind of catalysts among specific catalyst groups under a condition of a prescribed temp.

**Constitution:** The org. material is acted as a reducing agent in place of ammonia on the boiler waste gases and the catalysts consisting of a crystalline silicate catalyst, multiple oxide, zeolite and solid superstrong acid catalyst group are simultaneously brought into contact therewith as well, by which the NOx is removed. The chemical formula of the crystalline silicate catalyst is expressed by  $(\pm 0.6)R_2O \cdot [aM_2O_3 \cdot bAl_2O_3 \cdot cMeO] \cdot ySiO_2$  (R is an alkaline metal ion and/or hydrogen ion; M is =1 kinds of the metals selected from a group consisting of group VIII metals, rare earth metals, titanium, vanadium, chromium, niobium, antimony and gallium; Me is an alkaline earth metal; a=0, b=0, c=0, a+b=1, y/c>12, y>12). Metals, such as copper, cobalt, nickel, iron, chromium, zinc and manganese, are deposited in =1 kinds thereon.

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Foreign References: none

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